BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Main Road and Cross at BEL 2nd Block in Ward No. 10, Vidyaranyapura Sub Division.**

			Estimate Cost:						3500000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	5th Cross BEL Layout		2	160.00	1.00	0.90	288.00		
	Varasiddivinayaka Temple Road		1	101.00	1.00	0.90	90.90		
			1	102.00	1.00	0.90	91.80		
							470.70	90.72	**42702.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD**	Cum							
	5th Cross BEL Layout		2	160.00	1.00	0.15	48.00		
	Varasiddivinayaka Temple Road		1	101.00	1.00	0.15	15.15		
			1	102.00	1.00	0.15	15.30		
							78.45	4290.84	**336616.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR -**	Sqm							
	5th Cross BEL Layout		2x4	160.00		0.60	768.00		
	Varasiddivinayaka Temple Road		4	101.00		0.60	242.40		
			4	102.00		0.60	244.80		
							1255.20	271.08	**340260.00**
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	5th Cross BEL Layout		2	160.00	0.90	0.15	43.20		
	Varasiddivinayaka Temple Road		1	101.00	0.90	0.15	13.64		
			1	102.00	0.90	0.15	13.77		
	5th Cross BEL Layout		2x2	160.00	0.15	0.60	57.60		
	Varasiddivinayaka Temple Road		2	101.00	0.15	0.60	18.18		
			2	102.00	0.15	0.60	18.36		
							164.75	5639.76	**929122.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
5	KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR**	Qtl							
	Consider 60 Kg/Cum		0.60	164.75			**98.85**	7450.92	**736501.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 10 cms thick **Page No. 28 / Item No. 5.31.2 / PWD SR 2013-14**	Sqm							
	5th Cross BEL Layout		2	160.00		0.90	288.00		
	Varasiddivinayaka Temple Road		1	101.00		0.90	90.90		
			1	102.00		0.90	91.80		
				261.00			**470.70**	579.96	**272987.00**
	Basic Rate	537.00							
	Area Weightage @ 8%	42.96							
	Total	**579.96**							
7	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 27 / Item No. 5.22/ PWD SR 2013-14**	m							
			1160	2.70			**3132.00**	28.40	**88961.00**
	Basic Rate	26.30							
	Area Weightage @ 8%	2.10							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**28.40**							
8	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 26 / Item No. 5.18/ PWD SR 2013-14**	Sqm							
			1	260.00		0.90	234.00		
			1	263.00		0.90	236.70		
							470.70	731.16	**344157.00**
	Basic Rate	677.00							
	Area Weightage @ 8%	54.16							
	Total	**731.16**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**456.58**	72.71	**33196.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	Sub Total								**3124502.00**
11	KRIDL Charges @ 11%								**343695.00**
12	QC Charges @ 1%								**31245.00**
13	Miscellaneous and other Charges	L/S							**558.00**
								Total	**3500000.00**
	(Rs. Thirty Five Lakhs Only)								

Technical Sanction for Rs. Thirty five Lakhs only
291/13-14, 03/03/2014
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Subject
Technical sanction memo.
291/13-14 Dt. 03/03/2014
EE (BTP Div.)

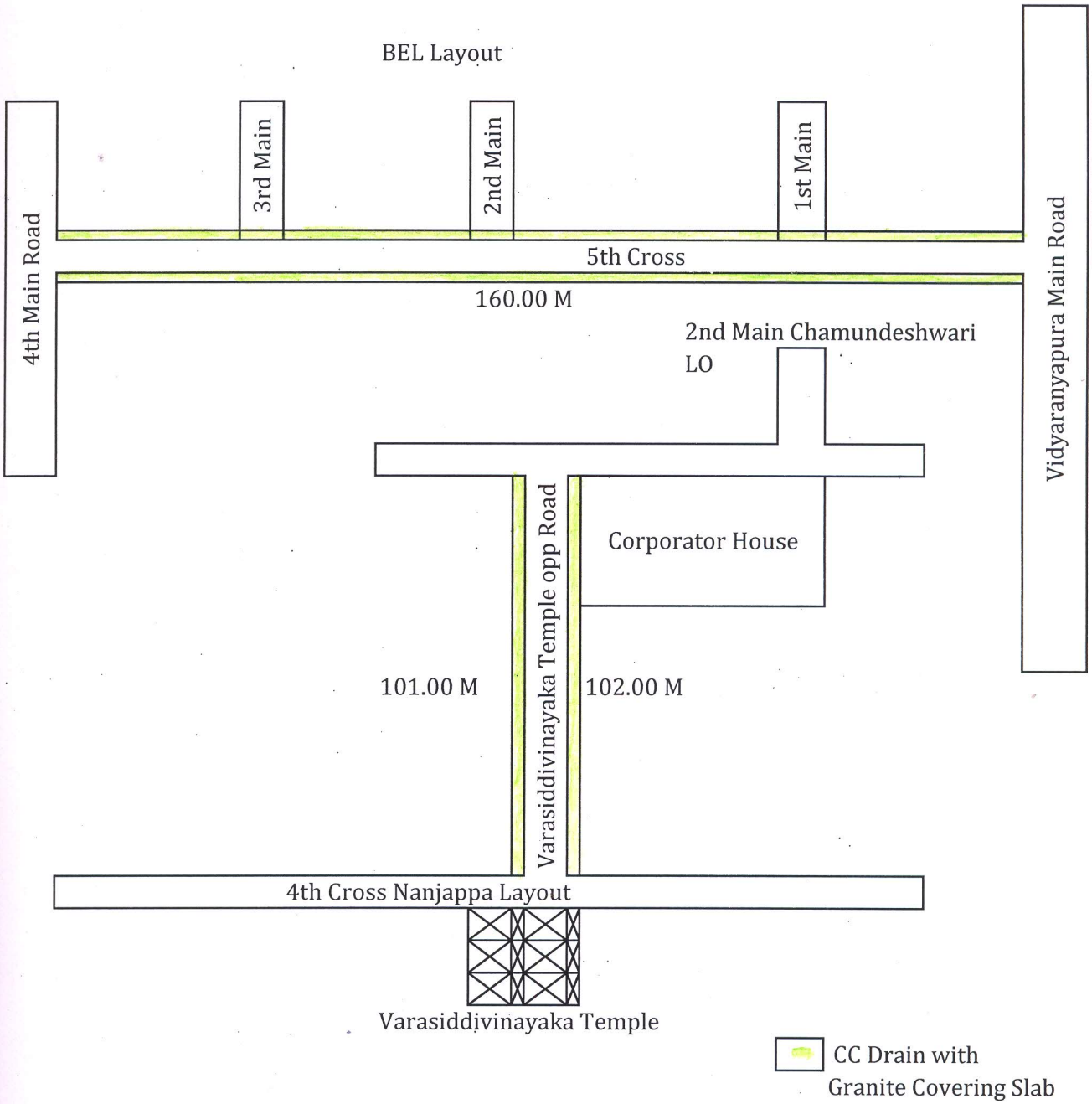
ADMINISTRATIVELY SANCTIONED FOR Rs 35,00 Lakhs.
Rupees Thirty five Lakhs Only
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division
Under P-0190

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Registered as CR( ) No. 3 9
Subject to conditions contained in enclosed memo AE( ) No. /9/
Dt
Estimate sanctioned
Addl Com (42) AS/912/13-14
dated 14/8/2014 Rs

Addl Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

ketch Showing the Work For Improvements to Main Road and Cross Roads at BEL 2nd Block in Ward No. 10 Vidyaranyapura Sub Division.



Assistant Engineer
Ward No. 10